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PTO/SB/08A (10-96)

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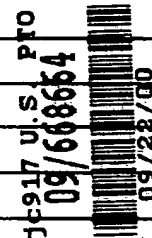
Substitute for form 1449A/PTO
Modified by BSTZ 6/30/99)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Paul Petrus
Group Art Unit	
Examiner Name	
Attorney Docket Number	015685.P068



Sheet 2 of 2

U.S. PATENT DOCUMENTS

Examiner Initials *	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No
	Office or Country	Number	Date			

OTHER DOCUMENTS

Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (if known).	Translation? Yes/No
SS	A. PAULRAJ, R. ROY, and T. KAILTATH, "A subspace rotation approach to signal parameter estimation", in <i>Proc. IEEE</i> , July 1986, vol. 74(7) pp. 1044-1045	

Examiner Signature		Date Considered	4-30-02
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Sheet	1	of	2	Attorney Docket Number	015685.P068

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OTHER DOCUMENTS			
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SS	G. XU and H. LUI, "An effective transmission beamforming scheme for frequency division duplex digital wireless communications systems", in <i>Proc. of ICASSP</i> , 1995, pp. 1729-1732.		
SS	D. GERLACH and A. PAULRAJ, "Base station transmitting antenna arrays with mobile to base feedback", in <i>Proc. of IEEE Asilomar Conf.</i> , Nov. 1993, pp. 1432 - 1436.		
SS	M. RIAS, "Direction of arrival estimation using antenna arrays", in <i>Masters Thesis</i> , Jan. 1996, Virginia Tech, VA., pp. 64 - 71.		

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